Filing Date: December 20, 2001

Title: ALGORITHM FOR WEB SERVICES FULFILLMENT IN A PEER-TO-PEER ENVIRONMENT

Assignee: Intel Corporation

IN THE CLAIMS

Please amend the claims as follows:

- 1-21. (Cancelled)
- 22. (Previously Presented) An apparatus comprising: a server comprising:

a registry server comprising identifications of one or more services and identifications of peers that perform the services; and

a second electronic device coupled to the registry server across a network, the second electronic device to fulfill a portion of a service request received from a first electronic device, and to send a remaining portion of the service request to a third electronic device found using the registry server.

- 23. (Original) The apparatus of claim 22, wherein the third electronic device is to fulfill the remaining portion of the service request and to send a response to the second electronic device.
- 24. (Original) The apparatus of claim 23, wherein the third electronic device is to fulfill the remaining portion of the service request by itself.
- 25. (Original) The apparatus of claim 23, wherein the third electronic device is to use a fourth electronic device to fulfill the remaining portion of the service request.
- 26-31. (Cancelled)
- 32. (Previously Presented) A system comprising: a server comprising:
 - a registry comprising identifications of services and identifications of peers that perform the services; and

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a network adapter; and

a second electronic device to receive a service request from a first electronic device, to fulfill a portion of the service request, to find a third electronic device using the registry server, and to send a remaining portion of the service request to the third electronic device.

- 33. (Previously Presented) The system of claim 32, wherein the third electronic device is to fulfill the remaining portion of the service request and to send a response to the second electronic device.
- 34. (Previously Presented) The system of claim 33, wherein the third electronic device is to fulfill the remaining portion of the service request by itself.
- 35. (Previously Presented) The system of claim 33, wherein the third electronic device is to use a fourth electronic device to fulfill the remaining portion of the service request.
- 36. (Previously Presented) The apparatus of claim 22, wherein the registry server is implemented in Extensible Markup Language (XML).
- 37. (Previously Presented) The apparatus of claim 36, wherein the service request is an XML formatted message.
- 38. (Previously Presented) The apparatus of claim 22, wherein the registry server is implemented in Electronic Data Interchange (EDI).
- 39. (Previously Presented) The apparatus of claim 22, wherein the service request includes a header, the header including an address of the first electronic device, and the service requested.

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

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40. (Previously Presented) The apparatus of claim 22, wherein the second electronic device is to respond to the service request received from the first electronic device, the response to include a response to the first electronic device and a request to the third electronic device.

41. (New) An apparatus comprising:

means for receiving a service request and fulfilling a portion of the service request;

means for sending a registry request to a registry server, the registry server comprising a
registry containing identifications of services and identifications of peers that perform the
services;

means for receiving a response to the registry;
means for choosing a peer using the response; and
means for requesting a remaining portion of the service request from the peer.

- 42. (New) The apparatus of claim 41, wherein the service request is an XML formatted message.
- 43. (New) The apparatus of claim 41, wherein the service request includes a header, the header including an address of a first electronic device and the service requested.
- 44. (New) The apparatus of claim 41, wherein means for requesting a remaining porition of the service request from a peer includes:

means for formatting a XML formatted service request message, the XML formatted service request message containing a header, the header including an address of the peer and the remaining portion of the service requested; and

means for sending the XML formatter service requested message to the peer.